

**REMARKS**

Claims 1-23 are pending. Claims 14-22 are allowed. By this response, claims 1 and 23 are amended. Reconsideration and allowance based on the above amendments and following remarks are respectfully requested.

Applicant appreciates the indication of claims 14-22 as being allowed and claims 7-12 as containing allowable subject matter.

The Office Action rejects claims 1-4 under 34 U.S.C. §103(a) as being unpatentable in view of Sugino, et al. (US 5,694,517) in view of Goodson, et al. (US 5,809,085) and claims 5-6, 13 and 23 under 35 U.S.C. §103(a) as being unpatentable over Sugino, Goodson and applicant's admitted prior art (Fig. 15). These rejections are respectfully traversed.

Applicant notes that the Office Action states that the feature of "setting a specific signal detection flag when said specific signal is detected" as recited in claim 14 provides the indicated allowable subject matter recited in claim 14. Applicant has amended independent claim 1 to include the feature of the signal detection flag when a specific signal is detected. Specifically, claim 1 has been amended to recite, *inter alia*, a discriminator for classifying the type of said input signal based on outputs of said first and second detectors and flagging the specific signal when detected.

Therefore, based on the Office Action indication of the above feature as being allowable, applicant respectfully submits that claim 1 as amended is now allowable over the cited prior art, i.e., Sugino, Goodson and applicant's admitted prior art. Dependent claims 2-13 and 23 are also allowable for the reasons above as well as for the additional features they recite. Accordingly, withdrawal of the rejections and allowance of the application is earnestly solicited.

Conclusion

For at least these reasons, it is respectfully submitted that claims 1-23 are distinguishable over the cited art. Favorable consideration and prompt allowance are earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings (Reg. No. 48,917) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

In view of the above amendment, applicant believes the pending application is in condition for allowance.

Dated: September 14, 2005

Respectfully submitted,

By \_\_\_\_\_

  
Michael R. Cammarata  
Registration No.: 39,491  
BIRCH, STEWART, KOLASCH & BIRCH, LLP  
8110 Gatehouse Rd  
Suite 100 East  
P.O. Box 747  
Falls Church, Virginia 22040-0747  
(703) 205-8000  
Attorney for Applicant